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(71)Applicant : MITSUBISHI HEAVY IND LTD

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(72)Inventor : TODA MASAKI

MINEO TOKUICHI

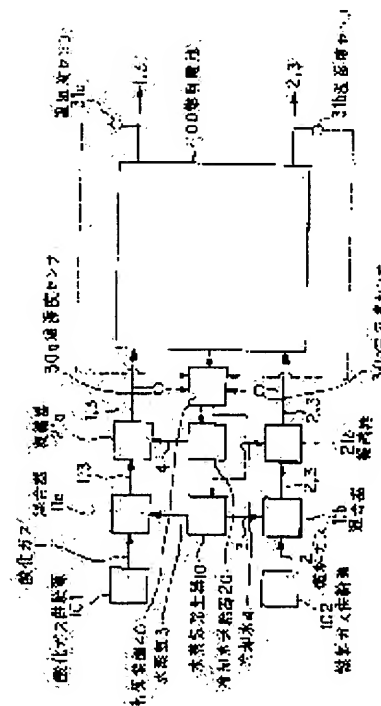
OGAWA MASAKI

## (54) FUEL CELL GENERATION FACILITIES

### (57)Abstract:

PROBLEM TO BE SOLVED: To provide fuel cell generation facilities capable of suppressing the production of excessive water while sufficiently humidifying a solid polymer electrolyte at all times.

SOLUTION: The fuel cell generation facilities comprise a fuel cell 100 having a stack with cells and separators stacked alternately, a steam generator 10 and mixture 11a, 11b for mixing an air 1 and a hydrogen 2 supplied from an air supply source 101 and a hydrogen supply source 102, respectively, with a steam 3, a cooling water feeder 20 and condensers 21a, 21b for cooling the air 1 and the hydrogen 2 mixed with the steam 3 to control a water content in the air 1 and the hydrogen 2, and control means 40 for controlling the steam generator 10 and the cooling water feeder 20 in accordance with a loaded condition signal from the fuel cell 100 and signals from temperature and humidity sensors 30a, 30b, 31a, 31b.



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